

**In the Claims**

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2       1.     **(Previously Presented)** A system to schedule placement of outgoing  
3 calls comprising:

4             a service switching point (SSP) that is adapted to communicate with a first  
5 telephone station associated with a scheduling party that is scheduling the  
6 outgoing calls, and to communicate with at least one other telephone station  
7 associated with at least one scheduled party to receive the outgoing calls from the  
8 first telephone station, wherein said first telephone station is adapted to receive  
9 call schedule information on a telephone interface and to communicate said call  
10 schedule information to said service switching point (SSP);

11  
12            a service node (SN) that is adapted to communicate with the service  
13 switching point (SSP), wherein said service node (SN) is further adapted to place  
14 the outgoing call to at least one other telephone station from the first telephone  
15 station in accordance with said call schedule information; and

16            a service control point (SCP) adapted to communicate with said service  
17 switching point (SSP), and comprising: an administrative computing application, a  
18 call scheduling application, and a call information database, said service control  
19 point (SCP) configured to identify said service node (SN) as adapted to place the  
20 outgoing call to the other telephone station from the first telephone station in  
21 accordance with said call schedule information, wherein said service control point  
22 (SCP) and said service node (SN) are configured to place a confirmation call to an  
23 alternate telephone station specified by said scheduling party.  
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1           2.       **(Previously Presented)** The system of claim 1, wherein said service  
2 switching point (SSP), upon receipt of a request from said first telephone station to  
3 schedule a call, is adapted to send a request to said service control point (SCP) to  
4 execute said administrative computing application and said call scheduling  
5 application, wherein said administrative computing application is adapted to  
6 determine if said first telephone station is allowed to schedule calls, and wherein  
7 said call scheduling application, upon confirmation that said first telephone station  
8 is allowed to schedule calls, is adapted to cooperate with said service switching  
9 point (SSP) SSP to accept, store and manage call scheduling data.  
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11           3.       **(Previously Presented)** The system of claim 2, wherein said service  
12 switching point (SSP), upon receipt of a request from said service control point  
13 (SCP), is adapted to communicate a request from said service control point (SCP)  
14 to identify service nodes (SN) that may be used to communicate with said first  
15 telephone station, wherein said service switching point (SSP) is further adapted to  
16 cooperate with said identified service nodes (SN) to prompt said first telephone  
17 station to cause input of call schedule information indicative of desired scheduled  
18 calls.  
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21           4.       **(Previously Presented)** The system recited in of claim 3, wherein  
22 said prompts comprise information representative of: a request to enter the time of  
23 the said scheduled call, a request to enter the frequency of the said scheduled call,  
24 and a request to enter the telephone number of the said scheduled call, and a  
25

request to enter the telephone number of said confirmation call.

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2       5.     **(Previously Presented)** The system recited in of claim 2, wherein  
3 said call schedule application of said service control point (SCP) is adapted to  
4 create a record for each scheduled call and to store said record in said call  
5 information database.  
6

7       6.     **(Original)** The system of claim 2, wherein said request from said  
8 first telephone station includes information identifying at least the subscriber to  
9 the call scheduling service.  
10

11       7.     **(Previously Presented)** The system of claim 2, wherein said service  
12 switching point (SSP) is adapted to launch a trigger application in response to the  
13 request from said first telephone station, and wherein said trigger application is  
14 adapted to generate the request to the said service control point (SCP).  
15

16       8.     **(Previously Presented)** The system of claim 2, wherein the request  
17 to the service control point (SCP) from the service switching point (SSP)  
18 comprises information identifying a telephone station associated with said  
19 scheduling party to call at the time of a scheduled call.  
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1           9.     **(Previously Presented)** The system of claim 2, wherein said service  
2 control point (SCP), in response to the request from the said service switching  
3 point (SSP), is configured to search a database for information identifying service  
4 nodes (SN) that are adapted to place calls to said scheduling party and to said  
5 scheduled party.

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7           10.   **(Previously Presented)** The system of claim 2, wherein said call  
8 schedule application of said service control point (SCP) is adapted to monitor the  
9 time for scheduled calls, wherein said call schedule application, upon reaching the  
10 time for a scheduled call, is adapted to communicate to said service switching  
11 point (SSP) information representative of said scheduled call, the information  
12 comprising identified service nodes (SN) that may be used to complete the  
13 scheduled call and a request to place a confirmation call to the scheduling party,  
14 and wherein said service switching point (SSP) is adapted to communicate with  
15 least one of said service nodes (SN) a request to place said confirmation call.  
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18           11.   **(Previously Presented)** The system of claim 10, wherein said  
19 service node (SN), in response to the request from the service switching point  
20 (SSP), is adapted to place said confirmation call to the other telephone station  
21 indicative of said scheduling party.

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23           12.   **(Cancelled)**  
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1           13.   **(Previously Presented)** The system recited in claim 11, wherein  
2 said service control point (SCP) is adapted to, upon receiving confirmation for  
3 said scheduled call, instruct said service switch point (SSP) to place said  
4 scheduled call to said scheduled party using said identified service node (SN).

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6           14.   **(Previously Presented)** The system recited in claim 11, wherein  
7 said call schedule application of said service control point (SCP) is adapted to,  
8 upon not receiving confirmation for said scheduled call, delete the created record  
9 for the scheduled call.

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11           15.   **(Previously Presented)** The system of claim 1, wherein the  
12 connection between said service switching point (SSP) and said at least one other  
13 telephone station comprises a second service switching point (SSP).

14  
15           16.   **(Previously Presented)** In an advanced intelligent network (AIN)  
16 comprising a service switching point (SSP) connected to a first telephone station  
17 from which outgoing calls are to be placed, a plurality of service nodes (SN) each  
18 having interactive data systems, a service control point (SCP) containing a  
19 database, and at least one telephone station, a method of call scheduling from a  
20 first telephone station to schedule the outgoing calls to at least one other telephone  
21 station to which the outgoing calls are to be placed, comprising at least the  
22 following:  
23

24           (a)   at the service switching point (SSP), accepting call schedule  
25

1 information from said first telephone station, wherein said call schedule  
2 information contains data representing a time for the scheduled outgoing call, a  
3 date for the scheduled outgoing call, a telephone number for the scheduled  
4 outgoing call, a telephone number for the confirmation call as specified by a  
5 scheduling party, and outgoing calls scheduled from said first telephone station,  
6 wherein said service switching point (SSP) is adapted to communicate said call  
7 schedule information to said service control point (SCP);  
8

9 (b) processing said call schedule information by said service control  
10 point (SCP) to ascertain the parameters for the scheduled outgoing call,  
11

12 (c) storing said call schedule information by said service control point  
13 (SCP) in a cooperating SCP service control point (SCP) call schedule information  
14 database;  
15

16 (d) monitoring said stored call schedule information by said service  
17 control point (SCP) to determine if a scheduled outgoing call is to be placed; and  
18

19 (e) upon the scheduled time for a said scheduled call, placing said  
20 confirmation call to the designated telephone number as specified by the  
21 scheduling party by said service control point (SCP), wherein said service control  
22 point (SCP) is adapted to communicate with said service switching point (SSP) to  
23 place said confirmation call to the designated telephone number as specified by the  
24 scheduling party, wherein said service switching point (SSP) is adapted to  
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1 communicate a request to said service control point (SCP) to identify cooperating  
2 service nodes (SN) to assist in placing said confirmation call, and wherein said  
3 service switching point (SSP) is adapted to cooperate with said identified service  
4 nodes (SN) to place said confirmation call; and

5  
6 (f) upon the acknowledgment of said confirmation call by the  
7 scheduling party, placing said scheduled call by said service control point (SCP),  
8 wherein said service control point (SCP) is adapted to communicate with said  
9 service switching point (SSP) to place the call according to said stored call  
10 schedule information, wherein said service control switching point (SSP) is  
11 adapted to communicate a request to said service control point (SCP) to identify  
12 cooperating service nodes (SN) to assist in placing the scheduled call, and wherein  
13 said service control switching point (SSP) is adapted to cooperate with said  
14 identified service nodes (SN) to place the scheduled call.  
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16 17. (Cancelled)

17 18. (Cancelled)

18 19. (Cancelled)

19 20. (Cancelled)

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21 21. (Previously Presented) The method of claim 16, wherein said  
22 confirmation call comprises at least one of: a DTMF code and an electronic  
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24  
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1 message.

2 22. **(Previously Presented)** The method of claim 16, further  
3 comprising, in response to receiving call schedule information from said first  
4 telephone station, launching a trigger at the service switching point (SSP), said  
5 trigger acting to notify said service control point (SCP) that a call is to be  
6 scheduled.  
7

8 23. **(Previously Presented)** The method of claim 16, further  
9 comprising identifying to said service switching point (SSP) a plurality of  
10 cooperating service nodes (SN) for use when processing scheduled calls.  
11

12 24. **(Previously Presented)** The method of claim 23, wherein  
13 identifying to the service switching point (SSP) the plurality of cooperating  
14 service nodes (SN), comprises transmitting the directory numbers corresponding  
15 to the plurality of service nodes (SN) by said service control point (SCP).  
16

17 25. **(Cancelled)**  
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19 26. **(Previously Presented)** A method of completing outgoing  
20 telephone calls comprising at least the following:  
21

22 (a) receiving from a first party information indicative of an outgoing  
23 call to be scheduled, said information comprising a first telephone number  
24 associated with a telephone station to be called, a time to call said telephone  
25



1 station, and a second telephone number to which a confirmation call should be  
2 placed, wherein the second telephone number is specified by the first party;

3 (b) storing the received information;

4  
5 (c) waiting until said time arrives;

6  
7 (d) placing said confirmation call to said first party using the second  
8 telephone number as specified by the first party;

9 (e) transmitting, to said first party over said confirmation call, an  
10 inquiry as to whether said first party should be connected to said telephone  
11 station;

12  
13 (f) receiving a response from said first party indicating that said first  
14 party should be connected to said telephone station; and

15  
16 (g) connecting said first party to said telephone station.

17  
18 27. **(Original)** The method of claim 26, wherein said information is  
19 received from a telephone interface of a telephone station.

20 28. **(Cancelled)**

21  
22 29. **(Original)** The method of claim 26, wherein said information further  
23 indicates a date.

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25 30. **(Previously Presented)** A system of connecting a scheduled

1 outgoing telephone call using an automated telephone network, the system  
2 comprising:

3 a telephone station for receiving call scheduling information as input by the  
4 scheduling party, wherein the call scheduling information includes at least data  
5 representing a telephone station to which a confirmation call related to the  
6 outgoing telephone call is to be placed;  
7

8 a service control point (SCP) in communication with said telephone station,  
9 said service control point (SCP) for storing said call schedule information, and  
10 wherein said SCP and a service node (SN) are adapted to place the confirmation  
11 call to the telephone station, wherein the telephone station to which the  
12 confirmation call is to be placed is identified by said scheduling party;  
13

14 a service switching point (SSP) adapted to communicate with said service  
15 control point (SCP), with said telephone station associated with said scheduling  
16 party, and with a telephone station associated with the party to be called, wherein  
17 said service switching point (SSP) is adapted to place the outgoing telephone call  
18 from said scheduling party to said party to be called in response to a request from  
19 said service control point (SCP).  
20  
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22 31. **(Previously Presented)** The system of claim 30, wherein said  
23 service control point (SCP) and said service node (SN) are adapted to place said  
24 confirmation call before said scheduled telephone call becomes due.  
25

1           32. **(Previously Presented)** The system of claim 30, wherein said  
2 service control point (SCP) and said service node (SN) are adapted to place said  
3 confirmation call at a substantially same time as said scheduled telephone call  
4 becomes due.

5           33. **(Previously Presented)** The system of claim 30, wherein said  
6 service control point (SCP) and said service node (SN) are adapted to place said  
7 confirmation call after said scheduled telephone call becomes due.  
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9           34. **(Previously Presented)** The system of claim 30, wherein said  
10 service switching point (SSP) is adapted to connect said scheduling party with said  
11 party to be called, after said scheduling party acknowledges said confirmation call.  
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13           35. **(Previously Presented)** The system of claim 11, wherein said  
14 service node (SN) is adapted to place said confirmation call to said alternate  
15 telephone station substantially contemporaneously with said confirmation call to  
16 said first telephone station.  
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18           36. **(Previously Presented)** The system of claim 11, wherein said  
19 service node (SN) is adapted to place said confirmation call to said alternate  
20 telephone station before placing said confirmation call to said first telephone  
21 station.  
22

23           37. **(Previously Presented)** The system of claim 36, wherein said  
24 service node (SN) is adapted to place said confirmation call to said first telephone  
25

1 station if there is no answer at said alternate telephone station.

2 38. **(Previously Presented)** A method for scheduling an outgoing  
3 telephone call, the method comprising:

4  
5 determining at a service switching point (SSP) whether an outgoing call has  
6 been scheduled;

7  
8 receiving call scheduling information from a telephone interface to the SSP;

9  
10 if an outgoing call has not been scheduled, waiting for data representing a  
11 scheduled outgoing call;

12  
13 receiving a call schedule service identifier (CSSI) by the SSP, once an  
14 outgoing call has been scheduled;

15  
16 transferring the CSSI from the SSP to a service control point (SCP) service  
17 package application (SPA);

18  
19 verifying that the submitted scheduled outgoing call is being submitted by a  
20 telephone interface authorized to schedule calls;

21  
22 accepting information by the SSP from telephone interface indicative of  
23 outgoing calls to be scheduled, wherein the call schedule information includes at  
24 least one of: a time and date of the scheduled call, at least one number to be called  
25 at the time and date, and a confirmation number to call prior to placing the

1 scheduled call, wherein the confirmation number is specified by a scheduling  
2 party.  
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